

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

690 Walnut Ave.St. 150

Vallejo, CA 94592-1133

(707) 649-5453

(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 99.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-024839**Date Inspected:** 19-Jun-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC) Chanxing Island **Location:** Shanghai, China**CWI Name:** Mr. Shi Lei**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Segment**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance Inspector (QA), Vibin Kumar Selvanayaham, was present during the times noted above for observations relative to the work being performed.

Magnetic Particle Testing (MT) – NWIT Document No's: 009418

This QA inspector performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report for this date. The members are identified as OBG Segment 13W and 14W. The weld designations reviewed are as follows:

1. SA3122-(001~004)-001~006
2. SA7507-(001~002)-001~006
3. SA3134-(001~004)-001~004
4. SA3134-(001~008)-005~008
5. SA7514-(001~005)-001~006
6. SA3126-(001~004)-001~004
7. SA7522-(001~002)-001~004
8. SA3136-(001~004)-001~004
9. SA3136-(001~008)-005~008
10. SA7514-(001~005)-007~012

Magnetic Particle Testing (MT)

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This QA inspector witnessed and performed Magnetic Particle Testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report for this date. The members are identified as OBG Segment 14W.

The weld designations reviewed/ witnessed are as follows:

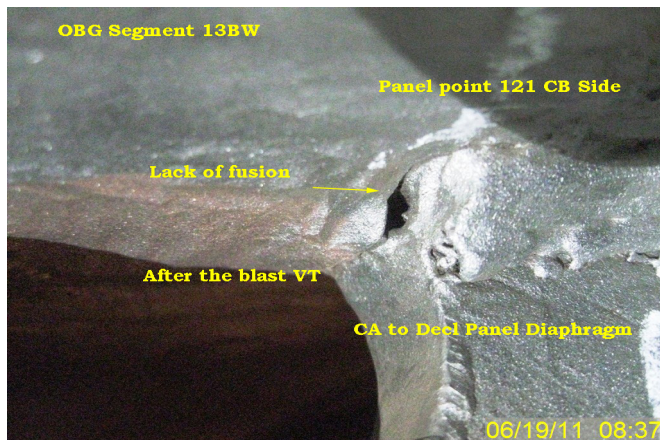
1. SA3128-001-013 ~018
2. SA3126-(001~15)-005~008
3. SA7522-(001~002)-005~008
4. SA3124-(001~014)-003, 004, 007, 008
5. SA3125-(001~002)-003, 004, 007, 008
6. SA3125-(001~002)-001, 002, 005, 006
7. SA3126-(005~008)-001, 002, 003, 004
8. SA7522-(003~004)-001, 002, 003, 004
9. SA3136-(005~008)-001, 002, 003, 004
10. SA3136-(009~016)-005, 006, 007, 008
11. SA7514-(006~010)-007~012

Visual Inspection after Blast

OBG Segment 13BW

This QA Inspector performed a preliminary random visual inspection on OBG Segment 13BW, after the grit blast of the interior components of the deck panel, Deck Panel Diaphragm, floor beams, flange, and corner assemblies, side plate of this segment. Areas of visual weld defects that will require welding were taped and will be repaired after the coating is applied. ZPMC QC personnel are aware of these areas and were present during the inspection. See the attached picture.

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.



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Summary of Conversations:

Only general conversation was held between QA and QC concerning this project.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

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| Inspected By: | Kumar,Vibin | Quality Assurance Inspector |
| Reviewed By: | Patel,Hiranch | QA Reviewer |
